

Special Session on **Soft Computing in Computational Biology & Bioinformatics**
(SoCCoBB 2009)

In conjunction with the International Conference on Soft Computing
and Pattern Recognition (SoCPaR 2009), Melaka
December 4 – 7, 2009

Session Organizers:

DR. NORA MUDA

Computational Biology Group
Centre for Modeling and Data
Analysis
Faculty of Science and Technology
Universiti Kebangsaan Malaysia,
Malaysia
noramuda@ukm.my

**ASSOC.PROF. DR AZURALIZA
ABU BAKAR**

Data Mining and Optimization
Research Group
Center for Artificial Intelligence
Technology
Faculty of Information Sciences
and Technology
Universiti Kebangsaan Malaysia,
Malaysia
aab@ftsm.ukm.my



Call For Paper

Bioinformatics and computational biology present a number of difficult problems with large search spaces. Recent applications of Soft Computing methods in this area suggest that they are well-suited to this area of research. This special session will highlight applications of Soft Computing to a broad range of topics. Particular interest will be directed towards novel applications of Soft Computing to problems in these areas. The following areas are the topics of interests but not limited to:

- Knowledge Discovery and Data Mining techniques for the Analysis of high throughput biological data
- Mathematical modeling of Evolutionary Computing
- Bayesian approaches, Neural Networks, Support Vector Machine, Case-Based Reasoning
- Microarray design and analysis
- Visualization of biological systems and networks
- Data and software integration
- Sequence analysis
- Gene Expression and gene regulatory networks
- Phylogenetics and phylogenomics
- Comparison and Alignment methods
- Feature Selection

SUBMISSION GUIDELINES

Papers are invited from prospective authors with interests in this particular special session and related areas of applications. All contributions should be original and not published elsewhere or intended to be published during the review period. Details of the required paper format are published at the official SoCPaR 2009 website: (<http://www.socpar.org/>)

Important Dates:

Deadline for paper submission: June, 26, 2009

Notification of acceptance/rejection: August 14, 2009

Deadline for camera-ready manuscript submission: September 14, 2009